

Attorney Docket No. 247268US-2SRD DIV
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Preliminary Amendment filed: January 8, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-28 (Canceled).

Claim 29. (Original) A watermark embedding unit for embedding watermark information containing information of a user identification number into a predetermined content, comprising:

means for outputting one codeword selected from a plurality of codewords constructing a simplex code, in correspondence with an inputted user identification number; and

means for embedding the outputted codeword as the watermark information into the content as an embedding target.

Claim 30. (Original) A watermark detecting unit for detecting watermark information containing information of a user identification number from a predetermined content, comprising:

means for outputting one codeword selected from a plurality of codewords constructing a simplex code, in correspondence with an inputted user identification number;

means for obtaining a correlation value between the outputted codeword and the content; and

means for determining presence or absence of a codeword corresponding to the inputted user identification number in the content, based on the correlation value.

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Claim 31. (Original) A watermark detecting unit for detecting watermark information containing information of a user identification number from a predetermined content, comprising:

means for outputting a plurality of codewords which respectively correspond to a plurality of previously registered user identification numbers and which construct a simplex code;

means for obtaining a correlation value between each of the outputted codewords and the content; and

means for determining presence or absence of watermark information, based on norm calculated, regarding each obtained correlation value as a vector, and for specifying a colluder based on the correlation value if presence of watermark information is determined.

Claim 32. (Canceled)